

NCAT+MnROAD Partnership for a Nationwide Pavement Performance Experiment



Buzz Powell







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- HMA performance test
- Pavement monitoring
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NCAT Pavement Test Track

MnROAD

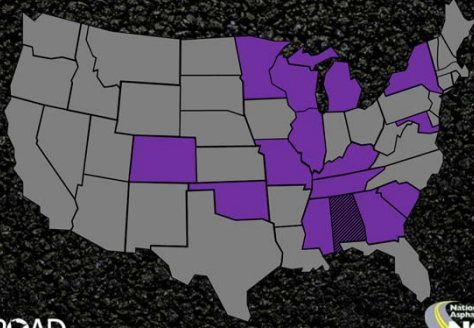






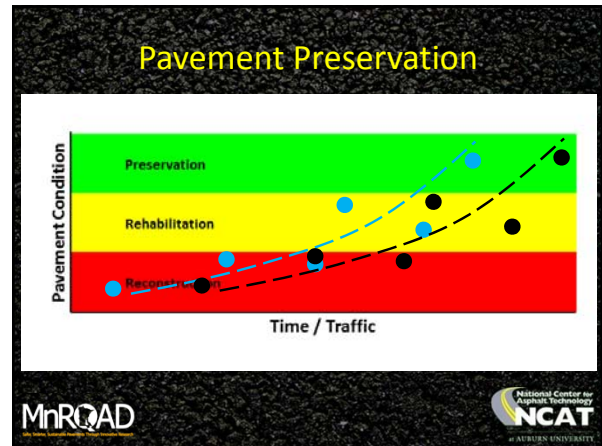
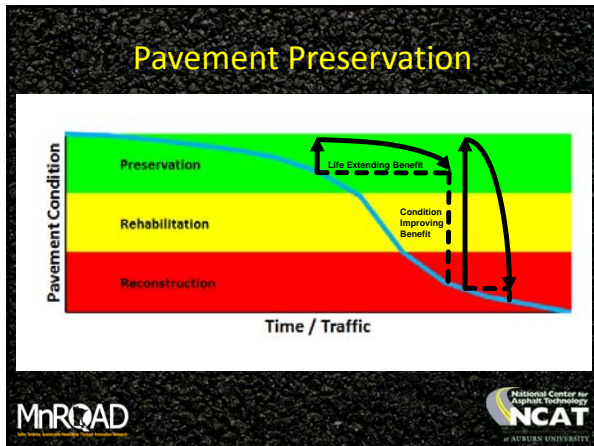
Partnership Development

- Histories of implementation success
- Pooled fund markets limited by climate
- Relationship through TRB (AFD40 and AFD40(2))
- Informal collaboration and cross promotion
- National importance of NCAT's '15 experiment




Partnership Development

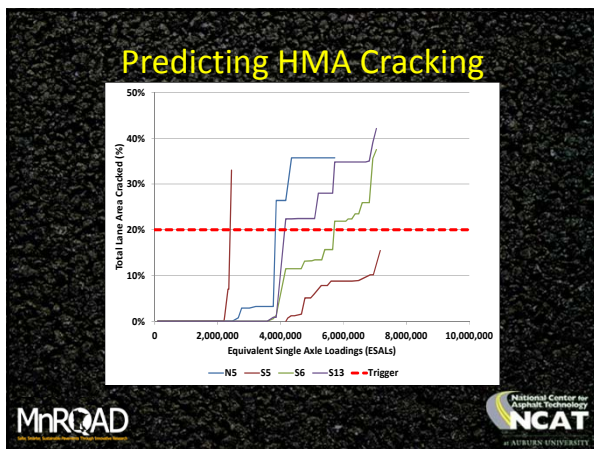
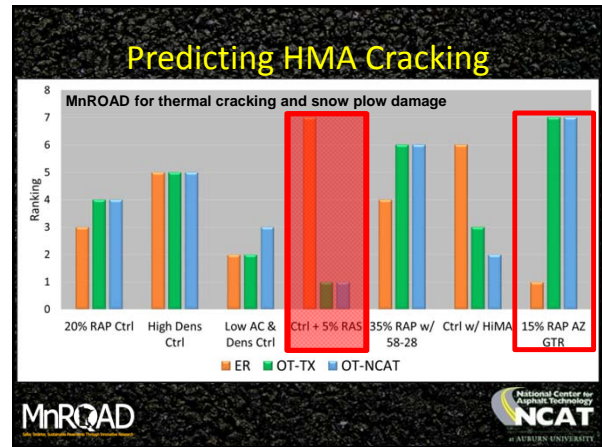






Predicting HMA Cracking

- NCAT is conducting these tests on aged and unaged LMLC and PMLC samples.
 - Unaged PMLC
 - Energy Ratio results were reported in December sponsor meeting
 - OT-TX and OT-NCAT reported at the May sponsor meeting
 - IFIT testing is nearly complete
 - SCB-LA is next
 - Aging protocol – Likely loose mix at 135°C for 24 hrs.

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Implementation

- Technical/practical papers, specifications, etc.
- On demand meetings with/at sponsor states
- 6-month formal onsite sponsor meetings
 - Summer 2016 at NCAT Pavement Test Track
 - Fall 2016 at MnROAD October 26-27, 2016
 - Summer 2017 at NCAT Pavement Test Track...
- End-of-cycle conference March 27-29, 2018



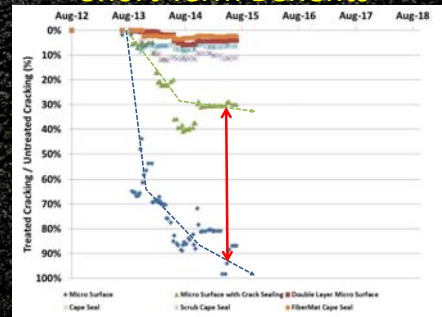
Status Report




Lee Road 159 Low Traffic Preservation




Short Term Benefits



Date	Micro Surface	Micro Surface with Crack Sealing	Double Layer Micro Surface	Cape Seal	Scrubs Cape Seal	FiberMat Cape Seal
Aug-12	~10%	~10%	~10%	~10%	~10%	~10%
Aug-13	~10%	~10%	~10%	~10%	~10%	~10%
Aug-14	~10%	~10%	~10%	~10%	~10%	~10%
Aug-15	~10%	~10%	~10%	~10%	~10%	~10%
Aug-16	~10%	~10%	~10%	~10%	~10%	~10%
Aug-17	~10%	~10%	~10%	~10%	~10%	~10%
Aug-18	~10%	~10%	~10%	~10%	~10%	~10%



US-280 High Traffic Preservation



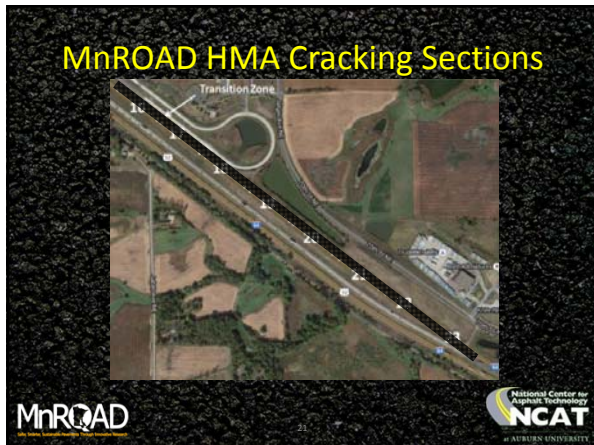

100% RAP Cold Recycle Mix_{131.9-132.4}



CCPR (KMA220)

CIR (3800CR)





Questions?

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